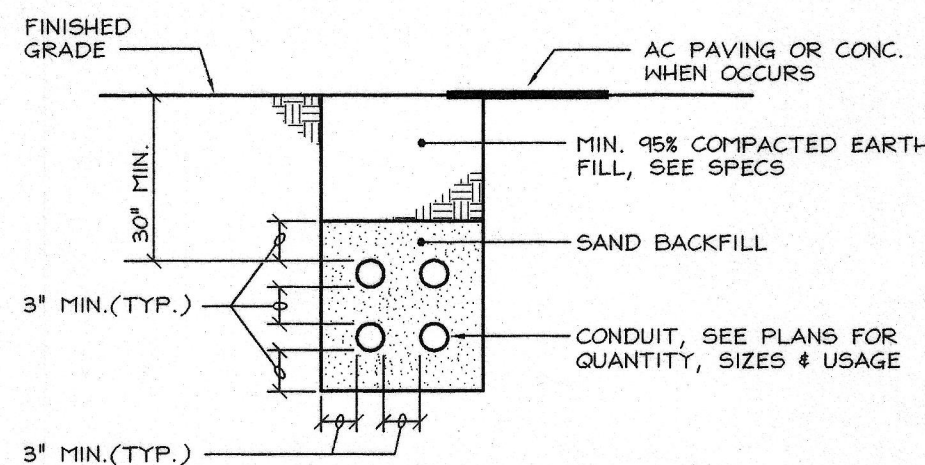
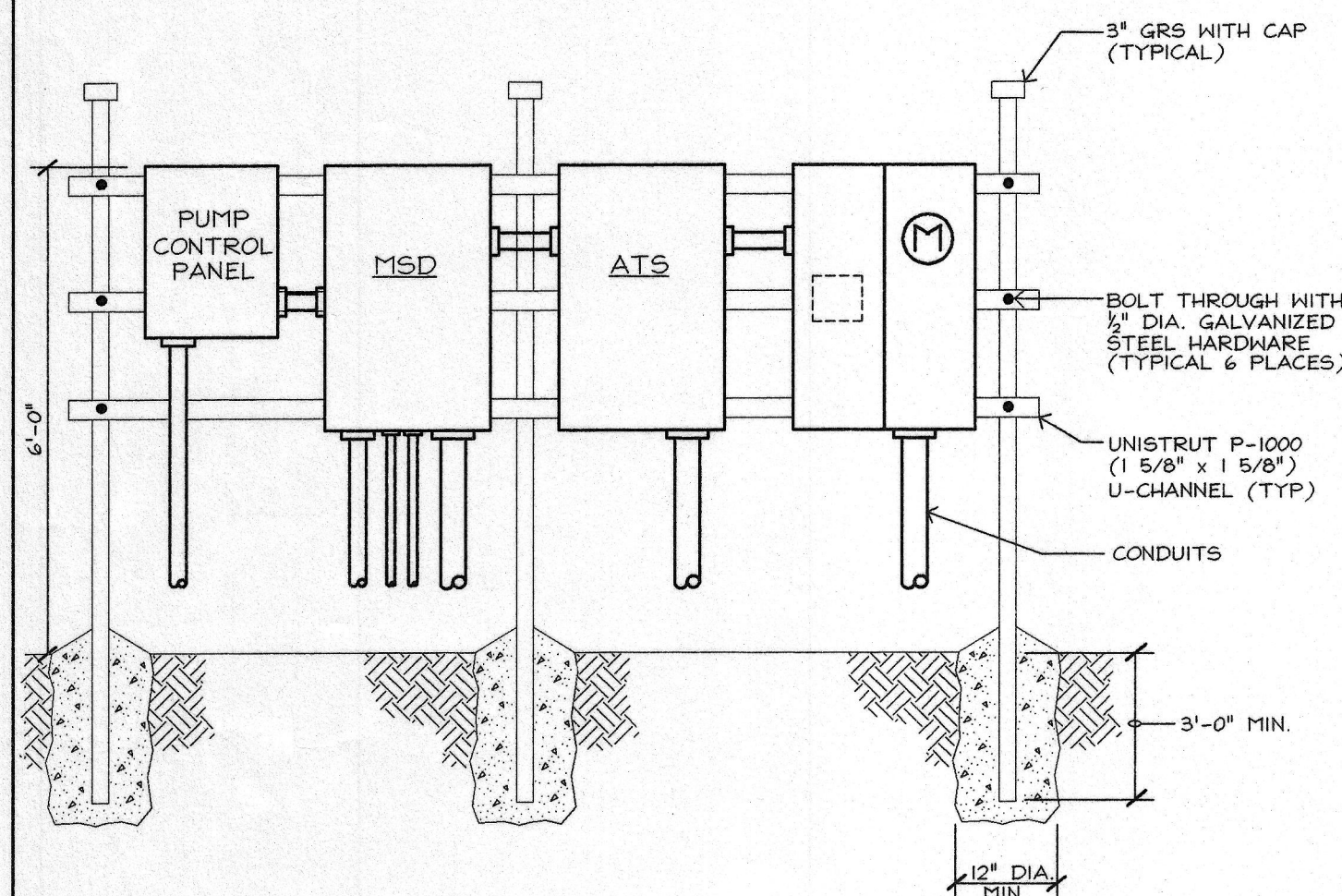


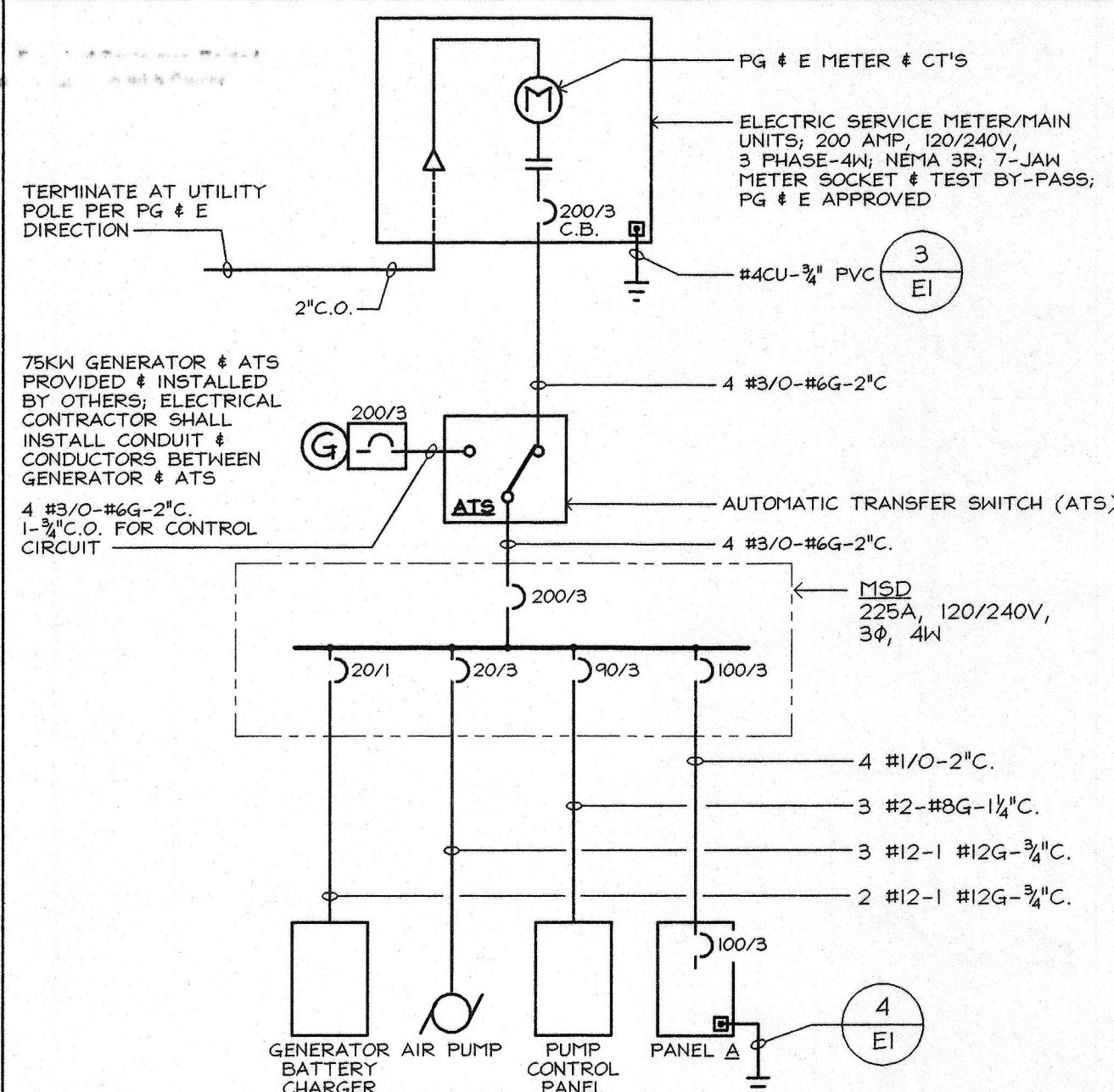
3 **EI** **GROUND WELL DETAIL**
NO SCALE



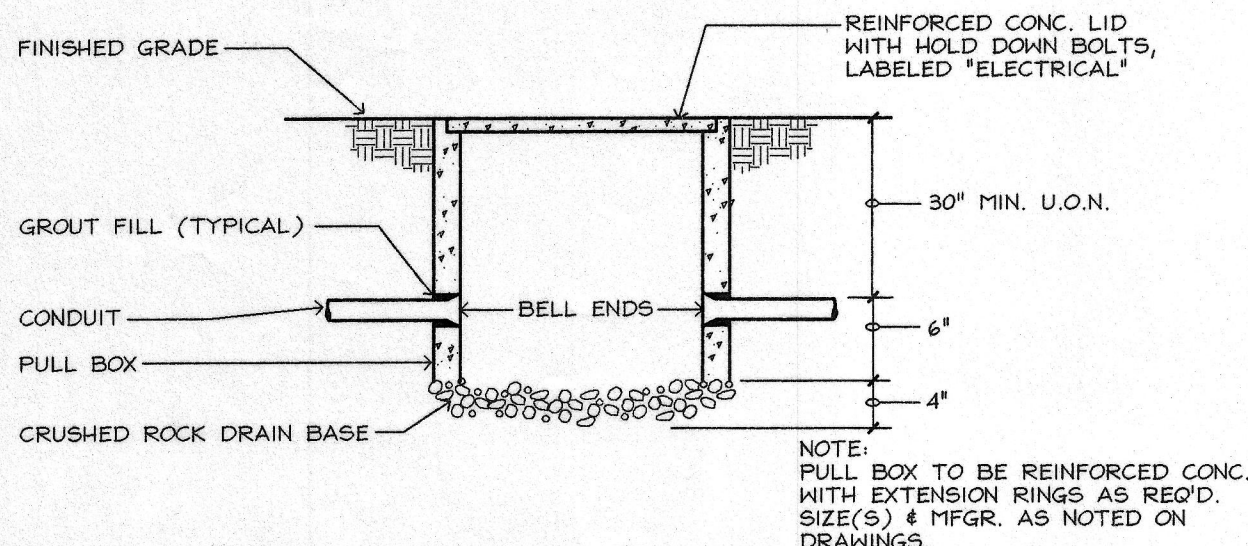
6 **EI** **TYPICAL TRENCH SECTION**
NO SCALE



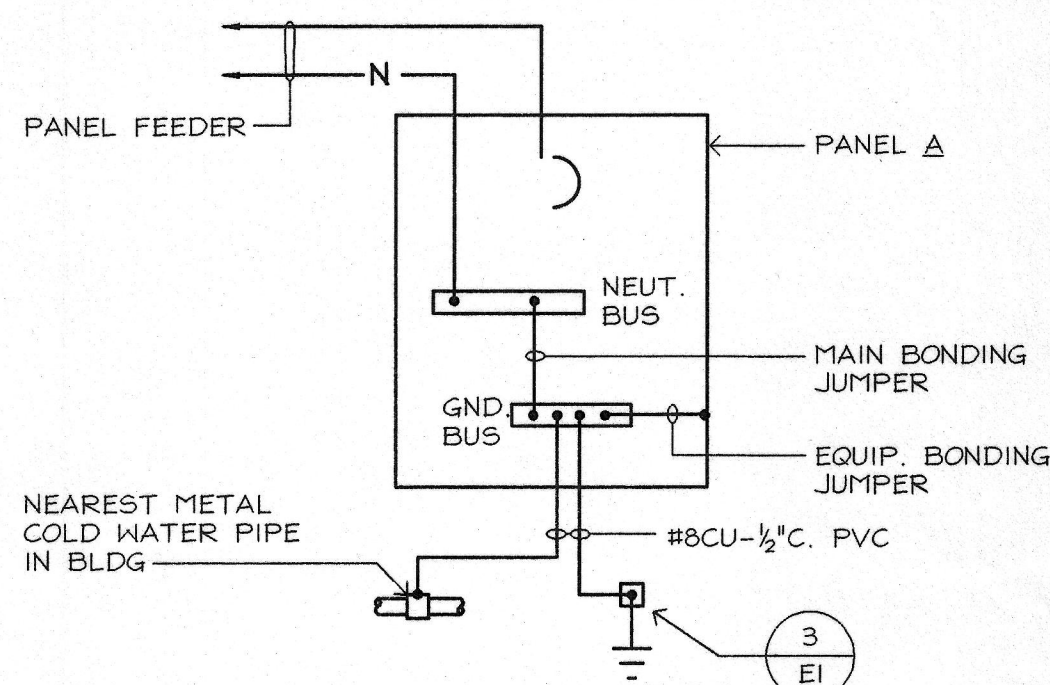
2 **EI** **MAIN PANEL MOUNTING DETAIL**
NO SCALE



5 **EI** **SINGLE LINE DIAGRAM**
NO SCALE



1 **EI** **TYPICAL PULL BOX DETAIL**
NO SCALE



4 **EI** **GROUNDING DETAIL**
NO SCALE

SYMBOLS AND ABBREVIATIONS

LIGHT FIXTURES

| | |
|--|---|
| | FLUORESCENT - ANY MOUNT |
| | FLUORESCENT STRIP - ANY MOUNT |
| | INCAND. OR HID - CEILING RECESSED |
| | INCAND. OR HID - SURF. OR SUSP. |
| | SITE LIGHT - ARM MOUNTED ON POLE |
| | EXIT LIGHT - ANY MOUNT SEE PLANS FOR MTG. |
| | EMERGENCY LIGHTING SET |

SWITCHES

ALL SWITCHES 20A- 120/277V- U.O.N.

SWITCH MOUNTING = +48" U.O.N.

| | |
|--|---------------------------------|
| | S.P.S.T. |
| | 3 - WAY |
| | PUSHBUTTON - SEE DWGS FOR TYPES |

OUTLETS

ALL RECEPTACLE OUTLETS 20A- 125V.- U.O.N.

OUTLET MOUNTING = +18" U.O.N.

| | |
|--|---|
| | DUPLEX RECEPTACLE - WALL MOUNT |
| | 240V RECEPTACLE |
| | DUPLEX RECEPTACLE-MOUNTED ABOVE COUNTER (VERIFY HEIGHT) |
| | SPECIAL PURPOSE 120V OUTLET |
| | 4-PLEX RECEPTACLE-WALL MOUNTED |
| | DUPLEX RECEPTACLE - WITH GROUND FAULT INTERRUPTER |
| | TELEPHONE OUTLET-WALL MOUNT |
| | JUNCTION BOX - WALL MOUNT |
| | JUNCTION BOX - CEILING MOUNT |

ABBREVIATIONS

| | | |
|---------|--------------------------|-------------------------|
| C. | CONDUIT | ISO GND. ISOLATED GND. |
| C.O. | CONDUIT ONLY | MECH. MECHANICAL |
| CONC. | CONCRETE | (N) NEW |
| CONTR. | CONTRACTOR | SW SWITCH |
| DISC. | DISCONNECT | U.O.N. UNLESS OTHERWISE |
| (E) | EXISTING | NOTED |
| G. GND. | GROUND (ELEC) WP | WEATHERPROOF |
| GFI | GROUND FAULT INTERRUPTER | |

CONDUIT/WIRING

| | |
|--|--|
| | CONCEALED IN WALLS OR CEILING;OR EXPOSED WHEN SPECIFICALLY NOTED |
| | UNDER FLOOR SLABS OR UNDERGROUND |
| | HOMERUN TO PANEL, TERMINAL OR EQUIPMENT INDICATED |
| | CONDUIT STUB-OUT |
| | CONDUIT UP OR DOWN-AS NOTED |
| | CROSS LINES INDICATE NUMBER OF CONDUCTORS WHEN MORE THAN TWO |

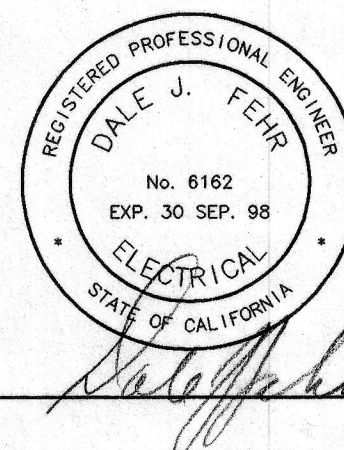
MISCELLANEOUS

| | |
|--------------------------------|---|
| | MOTOR CONNECTION |
| | FUSED DISCONNECT SWITCH-FUSED WITH DUAL-ELEMENT TIME DELAY FUSES, SIZED PER EQUIP. MFGR'S NAME PLATE DATA |
| | DISCONNECT SWITCH-NONFUSED U.O.N. |
| | MAGNETIC MOTOR STARTER |
| | COMBINATION MAG STARTER & FUSED DISC. SWITCH |
| | GROUND ROD-DIRECT BURIED |
| | GROUND ROD-W/ACCESSIBLE BOX |
| | SHEET NOTE ID TAG-SEE SHEET NOTES ON SAME SHEET WHERE SYMBOL APPEARS U.O.N. |
| | EQUIP. ID TAG-SEE SHEET NOTES ON SAME SHEET WHERE SYMBOL APPEARS U.O.N. |
| | TRANSFORMER PAD MOUNT OR DRY TYPE |
| | SWITCHGEAR OR MCC |
| | PANELBOARD - FLUSH MOUNTED |
| | PANELBOARD - SURF. MOUNTED |
| | SPECIAL PURPOSE EQUIP., DEVICE, PANEL OR TERMINAL CABINET (F.A., LTG. CONTROL, ETC.) |
| | EXHAUST FAN |
| | CONCRETE PULLBOX |
| +48" | INDICATES MOUNTING HEIGHT TO CENTER OF DEVICE OR EQUIP. ABOVE FINISHED FLOOR. |
| O _b \$ _b | SUBSCRIPT LETTER INDICATES CONTROL |
| 3 O ₂ | FIGURE INDICATES BRANCH CIRCUIT NUMBER |

PANELBOARD SCHEDULE

| A | TYPE | NEMA 1 | BUS | 100 | VOLT | 120/240V | 3φ, 4W |
|--------------|---------------|--------|--------|-----------------|------|----------------|-------------------|
| | | | | | | | |
| NGQD | MOUNT SURFACE | A.I.C. | 10,000 | FEED | TOP | CONNECTED LOAD | KVA |
| | | | | | | | |
| USE | VOLT-AMPS | A | B | C | TRIP | TRIP | USE |
| | | | | | | | |
| WATER HEATER | 2400 | 2400 | 1260 | 20/1 | 3 | 2 | WALK IN FREEZER |
| RECEPTACLES | 1080 | - | 1080 | 20/1 | 5 | 4 | COMPRESSOR |
| SPACE ONLY | 600 | - | - | 20/1 | 9 | 6 | SHOP EQUIP. |
| RECEPTACLES | 600 | - | 1080 | 20/1 | 11 | 10 | MONITORING EQUIP. |
| COMPUTER EQ | 600 | - | - | 20/1 | 13 | 14 | TURBINE AIR BLWR |
| SPACE ONLY | 600 | - | - | 20/1 | 15 | 16 | REFRIG. COOLER |
| FREEZER | 600 | - | 1200 | 20/1 | 17 | 18 | REFRIG. COOLER |
| REFRIG. | 600 | - | - | 20/1 | 19 | 20 | SPACE ONLY |
| SPACE ONLY | 600 | - | - | 20/1 | 21 | 22 | SPACE ONLY |
| LAB LIGHT | 700 | - | 600 | 20/1 | 23 | 24 | SPACE ONLY |
| RECEPTACLES | 700 | - | - | 20/1 | 25 | 26 | SPACE ONLY |
| SPACE ONLY | 700 | - | - | 20/1 | 27 | 28 | SPACE ONLY |
| RECEPTACLES | 720 | - | 700 | 20/1 | 29 | 30 | SPACE ONLY |
| INTERIOR LTS | 720 | - | - | 20/1 | 31 | 32 | SPACE ONLY |
| SPACE ONLY | 720 | - | - | 20/1 | 33 | 34 | SPACE ONLY |
| EXTERIOR LTS | - | - | 400 | 20/1 | 35 | 36 | SPACE ONLY |
| SPACE ONLY | - | - | - | 20/1 | 37 | 38 | SPACE ONLY |
| | - | - | - | 20/1 | 39 | 40 | SPACE ONLY |
| | - | - | - | 20/1 | 41 | 42 | SPACE ONLY |
| | 6100 | 2400 | 5240 | CONNECTED LOADS | 5470 | 4680 | 5840 |

| MSD | TYPE | NEMA 3R | BUS | 225 | VOLT | 120/240V | 3φ, 4W |
|--------------|---------------|---------|--------|-----------------|--------|----------------|----------------|
| | | | | | | | |
| NGQD | MOUNT SURFACE | A.I.C. | 10,000 | FEED | BOTTOM | CONNECTED LOAD | KVA |
| | | | | | | | |
| USE | VOLT-AMPS | A | B | C | TRIP | TRIP | USE |
| | | | | | | | |
| PANEL A | 9900 | 9900 | 9900 | 90 | 3 | 2 | BATTERY CHARGE |
| PUMP CONTROL | 7760 | 7760 | 7760 | 30 | 5 | 4 | SPACE ONLY |
| M-4 | 1386 | 1386 | 1386 | 20 | 7 | 6 | SPACE ONLY |
| SPACE ONLY | 1386 | 1386 | 1386 | 20 | 11 | 10 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 13 | 14 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 15 | 16 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 17 | 18 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 19 | 20 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 21 | 22 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 23 | 24 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 25 | 26 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 27 | 28 | SPACE ONLY |
| | 1386 | 1386 | 1386 | 20 | 29 | 30 | SPACE ONLY |
| | 19046 | 19046 | 19046 | CONNECTED LOADS | 1440 | - | - |



FEHR ENGINEERING COMPANY
157 SARGENT COURT
MONTEREY, CA 93940
TELE (408) 373-3135
FAX (408) 373-2865
CONSULTING ELECTRICAL ENGINEERS
FE JOB No. 94163.00

SLEEPY HOLLOW STEELHEAD REARING FACILITY

SCALE: NONE APPROVED BY: DRAWN BY: M. PEREZ
DATE: 17 NOV. 94 REVISED: T. P.

SINGLE LINE DIAGRAM DETAILS

DRAWING NUMBER

8/E1